

# => d his

|    | (FILE 'CAPLUS' ENTERED AT 17:06:04 ON 26 NOV 2002)                      |  |  |  |  |  |
|----|---|--|--|--|--|--|
|    | DEL HIS   |  |  |  |  |  |
| L1 | 130 S FAB AND FAST AND BEAM   |  |  |  |  |  |
| L2 | 127 S L1 AND ATOM?  |  |  |  |  |  |
| L3 | 67 S L2 NOT (FAST(3A)ATOM?(3A)BEAM?)                                    |  |  |  |  |  |
| L4 | 3181471 S ELECTRON OR ATOMIC OR MOLECULAR OR PARTICLE OR UV OR ULTRA VI |  |  |  |  |  |
| L5 | 32 S L3 AND L4  |  |  |  |  |  |
| L6 | 35 S L3 NOT L5  |  |  |  |  |  |
|    |   |  |  |  |  |  |
|    | FILE 'JAPIO' ENTERED AT 17:12:36 ON 26 NOV 2002                         |  |  |  |  |  |
| ь7 | 1 S L3  |  |  |  |  |  |
|    |   |  |  |  |  |  |
|    | FILE 'USPAT2' ENTERED AT 17:12:56 ON 26 NOV 2002                        |  |  |  |  |  |
| L8 | 5 S L3  |  |  |  |  |  |
|    |   |  |  |  |  |  |

### (FILE 'HOME' ENTERED AT 13:51:43 ON 26 NOV 2002)

# FILE 'CAPLUS' ENTERED AT 13:51:52 ON 26 NOV 2002

- L1 160 S FAST(3A)PART?(3A)BEAM?
- L2 3122625 S ELECTRON OR ATOMIC OR MOLECULAR OR PARTICLE?
- L3 158 S L1 AND L2
- L4 2394861 S ETCH? OR PATERN? OR PATTERN? OR REMOV? OR CLEAN? OR DEPOSIT?
- L5 1018012 S COAT? OR MODIFY? OR DENATUR?
- L6 17 S L3 AND (L4 OR L5)
- L7 141 S L3 NOT L6
- L8 1 S L7 AND (CU OR COPPER? OR LOW(3A)(K OR DIELECTRIC?))
- L9 140 S L7 NOT L8
- L10 0 S L9 AND (SEMICONDUCT? OR WAFER? OR CHIP#)
- L11 18 S L6 OR L8 OR L10 SAVE ETCHL11/A L11 SAVE ETCHL9/A L9

# FILE 'JAPIO' ENTERED AT 13:56:33 ON 26 NOV 2002

- L12 5 S L11
- L13 7 S L9

#### FILE 'INSPEC' ENTERED AT 13:58:36 ON 26 NOV 2002

- L14 17 S L12
- L15 107 S L13

### FILE 'CAPLUS' ENTERED AT 14:03:27 ON 26 NOV 2002

- L16 12 S L1(P)L2(P)(L4 OR L5)
- L17 156 S L1(P)L2

# FILE 'USPAT2' ENTERED AT 14:04:33 ON 26 NOV 2002

- L18 0 S L16
- L19 1 S L17



| I Nives be a se | 1.114  | 10   |            |                  |
|-----------------|--------|--|------------|------------------|
| L Number        | Hits   | Search Text  | DB         | Time stamp       |
| 1               | 0      | ("fast near3 particle? near beam?").PN.                          | USPAT;     | 2002/11/26 16:23 |
|                 |        |  | US-PGPUB   |                  |
| 4               | 1      | fast near3 particle? near beam?                                  | USPAT;     | 2002/11/26 16:23 |
|                 |        |  | US-PGPUB   |                  |
| 7               | 5      | fast near3 particle? near3 beam?                                 | USPAT;     | 2002/11/26 16:24 |
|                 |        |  | US-PGPUB   |                  |
| 10              | 1      | fast near3 particle? near3 beam?                                 | DERWENT    | 2002/11/26 16:25 |
| 11              | 2      | fast near5 particle? near5 beam?                                 | DERWENT    | 2002/11/26 16:26 |
| 12              | 8      | fast near5 particle? near5 beam?                                 | USPAT;     | 2002/11/26 16:26 |
|                 |        |  | US-PGPUB   |                  |
| 15              | 3      | (fast near5 particle? near5 beam?) not (fast near3               | USPAT;     | 2002/11/26 16:27 |
|                 |        | particle? near3 beam?)   | US-PGPUB   | 2002/11/20 10:21 |
| 18              | 985670 | electron or molecular or atomic or laser or uv or ultra          | USPAT;     | 2002/11/26 16:30 |
|                 |        | violet or ultraviolet or particle?                               | US-PGPUB   | 2002/11/20 10:00 |
| 21              | 8      | (fast near5 particle? near5 beam?) same (electron or             | USPAT;     | 2002/11/26 16:30 |
|                 | _      | molecular or atomic or laser or uv or ultra violet or            | US-PGPUB   | 2002/11/20 10:50 |
|                 |        | ultraviolet or particle?)  | 00-1 01 00 |                  |
| 24              | 3      | ((fast near5 particle? near5 beam?) not (fast near3              | USPAT:     | 2002/11/26 16:32 |
| ,               |        | particle? near3 beam?)) and ((fast near5 particle? near5         | US-PGPUB   | 2002/11/20 10.32 |
|                 |        | beam?) same (electron or molecular or atomic or laser or         | 00-1 01 05 |                  |
|                 |        | uv or ultra violet or ultraviolet or particle? ))                |            |                  |
| 27              | 2543   | fab same fast  | LICDAT     | 0000/44/00 40:00 |
|                 | 2040   | tab same tast  | USPAT;     | 2002/11/26 16:32 |
| 30              | 17     | fab same atomic same fast same beam                              | US-PGPUB   | 0000/44/00 40 00 |
| 30              | 17     | iab same atomic same last same beam                              | USPAT;     | 2002/11/26 16:32 |
| 33              | 17     | / fob come stamic come foot come beauty) come (alcutum           | US-PGPUB   |                  |
| 33              | 17     | ( fab same atomic same fast same beam) same (electron            | USPAT;     | 2002/11/26 16:33 |
|                 |        | or molecular or atomic or laser or uv or ultra violet or         | US-PGPUB   |                  |
| 36              | . 44   | ultraviolet or particle?)  |            |                  |
| 30              | 14     | (( fab same atomic same fast same beam) same                     | USPAT;     | 2002/11/26 16:37 |
|                 |        | (electron or molecular or atomic or laser or uv or ultra         | US-PGPUB   |                  |
|                 |        | violet or ultraviolet or particle? )) not ((fast near5 particle? |            |                  |
|                 |        | near5 beam?) same (electron or molecular or atomic or            |            |                  |
|                 |        | laser or uv or ultra violet or ultraviolet or particle? ))       |            |                  |
| 39              | 15634  | fab  | DERWENT    | 2002/11/26 16:38 |
| 40              | 0      | "89" and fast and atomic and beam                                | DERWENT    | 2002/11/26 16:38 |
| 41              | 0      | "89" and fast and particle? and beam                             | DERWENT    | 2002/11/26 16:39 |
| 42              | 0      | fab and fast and particle? and beam                              | DERWENT    | 2002/11/26 16:39 |
| 43              | 0      | fab and fast and particle? and beam                              | JPO        | 2002/11/26 16:39 |
| 44              | 0      | fab and fast and particle? and beam                              | EPO        | 2002/11/26 16:39 |
| 45              | 1      | fab and fast and atomic and beam                                 | EPO        | 2002/11/26 16:40 |
| 46              | 2      | fab and fast and atomic and beam                                 | EPO; JPO   | 2002/11/26 16:40 |